ADDITIONAL COURSE OFFERINGS

COURSE	*CREDITS*	*DESCRIPTION*
CHM 571-Structure, Bonding & Symmetry	3	Principles of structural and materials chemistry, emphasizing crystal chemistry and symmetry.
CHM 598-ST: Electronic Structure	3	Electronic Structure and Properties of Solids, from a physical chemistry perspective; examples from surface reactions and catalysis.
MSE 518-Microelectronic Packaging	3	This course addresses electrical, thermal, materials, chemical, manufacturing, and reliability problems in packaging.
MSE 550-Adv. Materials Characterization	3	Analytical instrumentation for characterization of materials, a survey of advanced techniques used in research and industry.
NAN/CHM 598-ST: Nucleic Acids	3	Nucleic Acids: DNA, RNA and current topics from the perspective of biological chemistry..
NAN/CHM 598-ST: Bio-analytical Microfluidics	3	Bio-analytical Microfluidics. Techniques and progress towards lab-on-a chip systems for (bio-)analytical applications.
NAN/CHM 598-ST: Peptides and Proteins	3	Peptides, proteins and current topics from the perspective of biological chemistry.
NAN/CHM 598-ST: Advanced Electrochemistry	3	Electron-transfer processes, electrode reactions, electrochemical microsensors and biosensors.
NAN/EEE 598-ST: Molecular Electronics	3	Fundamental aspects of molecular electronics, including recent examples from the research literature.
NAN/EEE 598-ST: Adv. Biosensor Concepts	3	Advanced Biosensor Concepts and applications.
NAN/EEE 598-ST: Nanofabrication & Characterization	3	Nanofabrication and characterization of semiconductor devices, including the Semiconductor Roadmap and implications.
NAN/MSE 598-ST: Nanomaterials for Energy Production and Storage	3	Nanomaterials for energy production and storage. The purpose of this course is to establish a connection between nanomaterials, energy production/storage and the environment.
PHY/MSE 553-Electron Microscopy Lab	3	Lab support for PHY/MSE 552.